## Abstact:

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Abstract

A method for updating firmware of a computer device to write the newer firmware into the computer memory twice is disclosed. It includes dividing a memory of the computer device into five portions, wherein an initial program is saved in the first portion, an old firmware is saved in the second portion, an old backup firmware is saved in the third portion, the checksum of the old firmware is saved in the fourth portion and the checksum of the old backup firmware is saved in the fifth portion; executing the initial program in the first portion; writing a new firmware into the second portion from an external device for replacing the old firmware in the second portion; writing the checksum of the new firmware into the fourth portion from the external device; writing the new firmware into the third portion from the external device for replacing the old backup firmware in the third portion; writing the checksum of the new firmware into the fifth portion from the external device; and executing the new firmware in the second portion for operating the computer device.